



SEQUENCE LISTING
(37 C.F.R. §§ 1.821 - 1.825)

- (1) GENERAL INFORMATION:
- (i) APPLICANT: ROBERT WEBBER
 - (ii) TITLE OF INVENTION: IMMUNOASSAY METHOD EMPLOYING MONOCLONAL ANTIBODY REACTIVE TO HUMAN iNOS
 - (iii) NUMBER OF SEQUENCES: 126
 - (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: BIELEN, PETERSON & LAMPE
 - (B) STREET: 1990 N. CALIFORNIA BOULEVARD, SUITE 720
 - (C) CITY: WALNUT CREEK
 - (D) STATE: CALIFORNIA
 - (E) COUNTRY: UNITED STATES OF AMERICA
 - (F) ZIP: 94596
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: DISKETTE 3.5 INCH, 1.44 MB FOR FORMATTED
 - (B) COMPUTER: IBM PC COMPATIBLE
 - (C) OPERATING SYSTEM: DOS
 - (D) SOFTWARE: WORDPERFECT 5.1
 - (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: NONE
 - (B) FILING DATE: NONE
 - (C) CLASSIFICATION:
 - (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: 08/634,332
 - (B) FILING DATE: 12 APRIL 1996
 - (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: THEODORE J. BIELEN, JR.
 - (B) REGISTRATION NUMBER: 27,420
 - (C) REFERENCE/DOCKET NUMBER: 12280
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (925) 937-1515
 - (B) TELEFAX: (925) 937-1529
- (2) INFORMATION FOR SEQ ID NO: 1:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (25-42)
 - (B) LOCATION:
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

Asn	Asn	Asn	Val	Glu	Lys	Ala	Pro	Cys	Ala	Thr	Ser	Ser
				5					10			
Pro	Val	Thr	Gln	Asp								
	15											

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: MOUSE iNOS (25-42)

(B) LOCATION:

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Asn	Asn	Asn	Val	Lys	Lys	Thr	Pro	Cys	Ala	Val	Leu	Ser
				5					10			
Pro	Thr	Ile	Gln	Asp								
	15											

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: RAT iNOS (25-42)

(B) LOCATION:

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

Asn	Asn	Asn	Val	Glu	Lys	Thr	Pro	Gly	Ala	Ile	Pro	Ser
				5					10			
Pro	Thr	Thr	Gln	Asp								
	15											

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

- (ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (37-54)
 (B) LOCATION:
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Ser	Pro	Val	Thr	Gln	Asp	Asp	Leu	Gln	Tyr	His	Asn	Leu
				5					10			
Ser	Lys	Gln	Gln	Asn								
	15											

- (2) INFORMATION FOR SEQ ID NO: 5:
 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
 (ii) MOLECULE TYPE: PEPTIDE

- (ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (781-798)
 (B) LOCATION:
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

E,

Pro	Ala	Leu	Val	Gln	Gly	Ile	Leu	Glu	Arg	Val	Val	Asp
				5					10			
Gly	Pro	Thr	Pro	His								
	15											

- (2) INFORMATION FOR SEQ ID NO: 6:
 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 17
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
 (ii) MOLECULE TYPE: PEPTIDE

- (ix) FEATURE:
 (A) NAME/KEY: MOUSE iNOS (776-792)
 (B) LOCATION:
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

Xaa	Ala	Leu	Val	Gln	Gly	Ile	Leu	Glu	Arg	Val	Val	Asp
				5					10			
Cys	Pro	Thr	Pro	His								
	15											

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: RAT iNOS (780-794)

(B) LOCATION:

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

Xaa	Xaa	Leu	Val	Gln	Gly	Ile	Leu	Glu	Arg	Val	Val	Asp
				5					10			
Cys	Ser	Ser	Pro	Xaa								
	15											

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (985-1002)

(B) LOCATION:

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

Gly	Ile	Val	Pro	Phe	Arg	Ser	Phe	Trp	Gln	Gln	Arg	Leu
				5					10			
His	Asp	Ser	Gln	His								
	15											

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: MOUSE iNOS (978-995)

(B) LOCATION:

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

Gly	Ile	Ala	Pro	Phe	Arg	Ser	Phe	Trp	Gln	Gln	Arg	Leu
				5					10			
His	Asp	Ser	Gln	His								
	15											

- (2) INFORMATION FOR SEQ ID NO: 10:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: RAT iNOS (982-998)
 - (B) LOCATION:
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

Gly	Ile	Ala	Pro	Phe	Arg	Ser	Phe	Trp	Gln	Gln	Arg	Leu
				5					10			
His	Asp	Ser	Gln	His								
	15											

- (2) INFORMATION FOR SEQ ID NO: 11:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN nNOS (1256-1273)
 - (B) LOCATION:
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

Gly	Ile	Ala	Pro	Phe	Arg	Ser	Phe	Trp	Gln	Gln	Arg	Gln
				5					10			
Phe	Asp	Ile	Gln	His								
	15											

- (2) INFORMATION FOR SEQ ID NO: 12:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 15
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN eNOS (1017-1031)

- (B) LOCATION:
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

Gly	Ile	Ala	Pro	Phe	Arg	Gly	Phe	Trp	Gln	Glu	Arg	Leu
				5					10			
His	Asp	Xaa	Xaa	Xaa								
15												

- (2) INFORMATION FOR SEQ ID NO: 13:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 15
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
 (ii) MOLECULE TYPE: PEPTIDE
 (ix) FEATURE:
 (A) NAME/KEY: BOVINE eNOS (1019-1033)
 (B) LOCATION:
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

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Gly	Ile	Ala	Pro	Phe	Arg	Gly	Phe	Trp	Gln	Glu	Arg	Leu
				5					10			
His	Asp	Xaa	Xaa	Xaa								
15												

- (2) INFORMATION FOR SEQ ID NO: 14:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 18
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
 (ii) MOLECULE TYPE: PEPTIDE
 (ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (1009-1026)
 (B) LOCATION:
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:

Arg	Met	Thr	Leu	Val	Phe	Gly	Cys	Arg	Arg	Pro	Asp	Glu
				5					10			
Asp	His	Ile	Tyr	Gln								
15												

- (2) INFORMATION FOR SEQ ID NO: 15:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 18

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(B) TYPE: AMINO ACID
(D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
      (A) NAME/KEY: RAT iNOS (1006-1023)
      (B) LOCATION:
      (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
      (D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION:  SEQ ID NO: 15:

Arg  Met  Thr  Leu  Val  Phe  Gly  Cys  Arg  His  Pro  Glu  Glu
           5
Asp  His  Leu  Tyr  Gln
           15

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(2) INFORMATION FOR SEQ ID NO: 16:
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(i) SEQUENCE CHARACTERISTICS:
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    (A) LENGTH: 18
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    (B) TYPE: AMINO ACID
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    (D) TOPOLOGY: LINEAR
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(ii) MOLECULE TYPE: PEPTIDE
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(ix) FEATURE:
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    (A) NAME/KEY: MOUSE iNOS (1002-1019)
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    (B) LOCATION:
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    (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
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    (D) OTHER INFORMATION:
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
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Arg Met Ser Leu Val Phe Gly Cys Arg His Pro Glu Glu
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                    5                               10
```

```
Asp His Leu Tyr Gln
```

```
      15
```

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(2) INFORMATION FOR SEQ ID NO: 17:
(i) SEQUENCE CHARACTERISTICS:
      (A) LENGTH: 16
      (B) TYPE: AMINO ACID
      (D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
      (A) NAME/KEY: hnNOS [2-16, Cys17]
      (B) LOCATION: HUMAN nNOS: AMINO TERMINAL
      (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
      (D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:

Glu Asp His Met Phe Gly Val Gln Gln Ile Gln Pro Asn
          5                               10
Val Ile Cys
    15

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(2) INFORMATION FOR SEQ ID NO: 18:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: hnNOS [Cys¹⁴¹⁰-1411-1433]

(B) LOCATION: HUMAN nNOS: CARBOXYL TERMINAL

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:

Cys	Arg	Leu	Arg	Ser	Glu	Ser	Ile	Ala	Phe	Ile	Glu	Glu
				5					10			
Ser	Lys	Lys	Asp	Thr	Asp	Glu	Val	Phe	Ser	Ser		
	15					20						

(2) INFORMATION FOR SEQ ID NO: 19:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: hiNOS [2-21, Ser²]

(B) LOCATION: HUMAN iNOS: AMINO TERMINAL

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:

Ala	Ser	Pro	Trp	Lys	Phe	Leu	Phe	Lys	Thr	Lys	Phe	His
				5					10			
Gln	Tyr	Ala	Met	Asn	Gly	Glu						
	15					20						

(2) INFORMATION FOR SEQ ID NO: 20:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: hiNOS [Cys¹¹³⁶-1137-1153]

(B) LOCATION: HUMAN iNOS: CARBOXYL TERMINAL

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:

Cys Lys Lys Asp Arg Val Ala Val Gln Pro Ser Ser Leu
5
10
Glu Met Ser Ala Leu
15

- (2) INFORMATION FOR SEQ ID NO: 21:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 12
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: heNOS [Cap-2-12, Cys¹³]
 - (B) LOCATION: HUMAN eNOS: AMINO TERMINAL WITH CAPROIC ACID ATTACHED
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:

Gly Asn Leu Lys Ser Val Ala Gln Glu Pro Gly Cys
5
10

- (2) INFORMATION FOR SEQ ID NO: 22:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 12
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: heNOS [2-12, Cys¹³]
 - (B) LOCATION: HUMAN eNOS: AMINO TERMINAL WITHOUT CAPROIC ACID ATTACHED
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:

Gly Asn Leu Lys Ser Val Ala Gln Glu Pro Gly Cys
5
10

- (2) INFORMATION FOR SEQ ID NO: 23:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 23
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: heNOS [Cys¹¹⁸¹-1182-1203]
 - (B) LOCATION: HUMAN eNOS: CARBOXYL TERMINAL
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:

Cys	Glu	Arg	Gln	Leu	Arg	Glu	Ala	Val	Pro	Trp	Ala	Phe
				5						10		
Asp	Pro	Pro	Gly	Ser	Asp	Thr	Asn	Ser	Pro			
	15					20						

(2) INFORMATION FOR SEQ ID NO: 24:
(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18
(B) TYPE: AMINO ACID
(D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
(A) NAME/KEY: hiNOS [985-1002]
(B) LOCATION:
(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:

Gly	Ile	Val	Pro	Phe	Arg	Ser	Phe	Trp	Gln	Gln	Arg	Leu
				5					10			
His	Asp	Ser	Gln	His								
	15											

(2) INFORMATION FOR SEQ ID NO: 25:
(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18
(B) TYPE: AMINO ACID
(D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
(A) NAME/KEY: hiNOS [985-1002]
(B) LOCATION:
(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:

Gly	Ile	Val	Pro	Phe	Arg	Ser	Phe	Trp	Gln	Gln	Arg	Leu
				5					10			
His	Asp	Ser	Gln	His								
	15											

(2) INFORMATION FOR SEQ ID NO: 26:
(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18
(B) TYPE: AMINO ACID
(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: hiNOS [37-54]

(B) LOCATION:

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 26:

Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu
5 10
Ser Lys Gln Gln Asn
15

(2) INFORMATION FOR SEQ ID NO: 27:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: hiNOS [781-798]

(B) LOCATION:

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 27:

Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp
5 10
Gly Pro Thr Pro His
15

(2) INFORMATION FOR SEQ ID NO: 28:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: hiNOS [25-42]

(B) LOCATION:

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 28:

Asn Asn Asn Val Glu Lys Ala Pro Ser Ala Thr Ser Ser
5 10
Pro Val Thr Gln Asp
15

(2) INFORMATION FOR SEQ ID NO: 29:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: hiNOS [37-54]

(B) LOCATION:

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 29:

Ser	Pro	Val	Thr	Gln	Asp	Asp	Leu	Gln	Tyr	His	Asn	Leu
				5					10			
Ser	Lys	Gln	Gln	Asn								
	15											

(2) INFORMATION FOR SEQ ID NO: 30:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: hiNOS [781-798]

(B) LOCATION:

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 30:

Pro	Ala	Leu	Val	Gln	Gly	Ile	Leu	Glu	Arg	Val	Val	Asp
				5					10			
Gly	Pro	Thr	Pro	His								
	15											

(2) INFORMATION FOR SEQ ID NO: 31:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: hiNOS [1009-1026]

(B) LOCATION:

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 31:

Arg	Met	Thr	Leu	Val	Phe	Gly	Ser	Arg	Arg	Pro	Asp	Glu
				5					10			
Asp	His	Ile	Tyr	Gln								
	15											

- (2) INFORMATION FOR SEQ ID NO: 32:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: (A3) LOCUS HUMAN iNOS (25-42)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 32:

Asn	Asn	Asn	Val	Glu	Lys	Ala	Pro	Ser	Ala	Thr	Ser	Ser
				5					10			
Pro	Val	Thr	Gln	Asp								
	15											

- (2) INFORMATION FOR SEQ ID NO: 33:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: MOUSE iNOS (25-42)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 33:

Asn	Asn	Asn	Val	Lys	Lys	Thr	Pro	Ser	Ala	Val	Leu	Ser
				5					10			
Pro	Thr	Ile	Gln	Asp								
	15											

- (2) INFORMATION FOR SEQ ID NO: 34:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: RAT iNOS (25-42)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 34:

Asn	Asn	Asn	Val	Glu	Lys	Thr	Pro	Gly	Ala	Ile	Pro	Ser
				5					10			
Pro	Thr	Thr	Gln	Asp								
	15											

(2) INFORMATION FOR SEQ ID NO: 35:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (28-42)
 (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 35:

Val	Glu	Lys	Ala	Pro	Ser	Ala	Thr	Ser	Ser	Pro	Val	Thr
				5					10			
Gln	Asp											
	15											

(2) INFORMATION FOR SEQ ID NO: 36:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 12
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (31-42)
 (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 36:

Ala	Pro	Ser	Ala	Thr	Ser	Ser	Pro	Val	Thr	Gln	Asp
				5					10		

(2) INFORMATION FOR SEQ ID NO: 37:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 9
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR

- (ii) MOLECULE TYPE: PEPTIDE
- (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (34-42)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 37:

Ala Thr Ser Ser Pro Val Thr Gln Asp
5

- (2) INFORMATION FOR SEQ ID NO: 38:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 6
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
- (ii) MOLECULE TYPE: PEPTIDE
- (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (37-42)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 38:

Ser Pro Val Thr Gln Asp
5

- E₁
- (2) INFORMATION FOR SEQ ID NO: 39:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 15
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (25-39)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 39:

Asn Asn Asn Val Glu Lys Ala Pro Ser Ala Thr Ser Ser
5 10
Pro Val
15

- (2) INFORMATION FOR SEQ ID NO: 40:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 12
 - (B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
(A) NAME/KEY: HUMAN iNOS (25-36)
(B) LOCATION: CARBOXY TERMINAL WITH AMIDE
(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
(D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 40:

Asn	Asn	Asn	Val	Glu	Lys	Ala	Pro	Ser	Ala	Thr	Ser
				5					10		

(2) INFORMATION FOR SEQ ID NO: 41:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 9
(B) TYPE: AMINO ACID
(D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
(A) NAME/KEY: HUMAN iNOS (25-33)
(B) LOCATION: CARBOXY TERMINAL WITH AMIDE
(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
(D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 41:

Asn	Asn	Asn	Val	Glu	Lys	Ala	Pro	Ser
				5				

(2) INFORMATION FOR SEQ ID NO: 42:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 6
(B) TYPE: AMINO ACID
(D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
(A) NAME/KEY: HUMAN iNOS (25-30)
(B) LOCATION: CARBOXY TERMINAL WITH AMIDE
(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
(D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 42:

Asn	Asn	Asn	Val	Glu	Lys
				5	

(2) INFORMATION FOR SEQ ID NO: 43:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 18
(B) TYPE: AMINO ACID
(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: (A4) LOCUS HUMAN iNOS (37-54)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:

Ser	Pro	Val	Thr	Gln	Asp	Asp	Leu	Gln	Tyr	His	Asn	Leu
				5					10			
Ser	Lys	Gln	Gln	Asn								
	15											

(2) INFORMATION FOR SEQ ID NO: 44:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (40-54)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:

E₁

Thr	Gln	Asp	Asp	Leu	Gln	Tyr	His	Asn	Leu	Ser	Lys	Gln
				5					10			
Gln	Asn											
	15											

(2) INFORMATION FOR SEQ ID NO: 45:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 12

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (43-54)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:

Asp	Leu	Gln	Tyr	His	Asn	Leu	Ser	Lys	Gln	Gln	Asn
				5					10		

- (2) INFORMATION FOR SEQ ID NO: 46:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (46-54)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:

Tyr His Asn Leu Ser Lys Gln Gln Asn
5

- (2) INFORMATION FOR SEQ ID NO: 47:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 6
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (49-54)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47:

Leu Ser Lys Gln Gln Asn
5

- (2) INFORMATION FOR SEQ ID NO: 48:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 15
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (37-51)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 48:

Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu
5 10
Ser Lys
15

(2) INFORMATION FOR SEQ ID NO: 49:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 12

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (37-48)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 49:

Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn
5 10

(2) INFORMATION FOR SEQ ID NO: 50:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 9

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (37-45)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 50:

Ser Pro Val Thr Gln Asp Asp Leu Gln
5

(2) INFORMATION FOR SEQ ID NO: 51:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 6

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (37-42)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 51:

Ser Pro Val Thr Gln Asp
5

- (2) INFORMATION FOR SEQ ID NO: 52:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: (F6) LOCUS HUMAN iNOS (781-798)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 52:

Pro	Ala	Leu	Val	Gln	Gly	Ile	Leu	Glu	Arg	Val	Val	Asp
				5					10			
Gly	Pro	Thr	Pro	His								
15												

- (2) INFORMATION FOR SEQ ID NO: 53:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 19
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN eNOS (806-824)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 53:

81

Pro	Gly	Leu	Val	Glu	Ala	Leu	Leu	Ser	Arg	Val	Glu	Asp
				5					10			
Pro	Pro	Ala	Pro	Thr	Glu							
15												

- (2) INFORMATION FOR SEQ ID NO: 54:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 15
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (784-798)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 54:

Asp Gly Pro Thr Pro His
5

- (2) INFORMATION FOR SEQ ID NO: 58:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 14
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (781-794)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 58:

Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp
5 10
Gly

- E
- (2) INFORMATION FOR SEQ ID NO: 59:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 12
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (781-792)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 59:

Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val
5 10

- (2) INFORMATION FOR SEQ ID NO: 60:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (781-789)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 60:

Pro Ala Leu Val Gln Gly Ile Leu Glu
5

- (2) INFORMATION FOR SEQ ID NO: 61:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 6
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (781-786)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 61:

Pro Ala Leu Val Gln Gly
5

- E/
- (2) INFORMATION FOR SEQ ID NO: 62:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: (G11) LOCUS HUMAN iNOS (985-1002)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 62:

Gly Ile Val Pro Phe Arg Ser Phe Trp Gln Gln Arg Leu
5 10
His Asp Ser Gln His
15

- (2) INFORMATION FOR SEQ ID NO: 63:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN nNOS (1256-1273)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 63:

Gly	Ile	Ala	Pro	Phe	Arg	Ser	Phe	Trp	Gln	Gln	Arg	Gln
				5					10			
Phe	Asp	Ile	Gln	His								
	15											

- (2) INFORMATION FOR SEQ ID NO: 64:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 15
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN eNOS (1017-1031)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 64:

Gly	Ile	Ala	Pro	Phe	Arg	Gly	Phe	Trp	Gln	Glu	Arg	Leu
				5					10			
His	Asp											
	15											

- E
- (2) INFORMATION FOR SEQ ID NO: 65:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 15
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (988-1002)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 65:

Pro	Phe	Arg	Ser	Phe	Trp	Gln	Gln	Arg	Leu	His	Asp	Ser
				5					10			
Gln	His											
	15											

- (2) INFORMATION FOR SEQ ID NO: 66:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 12
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (991-1002)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 66:

Ser Phe Trp Gln Gln Arg Leu His Asp Ser Gln His
 5 10

(2) INFORMATION FOR SEQ ID NO: 67:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 9
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
 (ii) MOLECULE TYPE: PEPTIDE
 (ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (994-1002)
 (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 67:

Gln Gln Arg Leu His Asp Ser Gln His
 5

81

(2) INFORMATION FOR SEQ ID NO: 68:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 5
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
 (ii) MOLECULE TYPE: PEPTIDE
 (ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (997-1002)
 (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 68:

His Asp Ser Gln His
 5

(2) INFORMATION FOR SEQ ID NO: 69:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 15
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
 (ii) MOLECULE TYPE: PEPTIDE
 (ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (985-998)
 (B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 69:

Gly Ile Val Pro Phe Arg Ser Phe Trp Gln Gln Arg Leu
 5 10
His Asp
 15

(2) INFORMATION FOR SEQ ID NO: 70:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 12

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (985-996)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 70:

Gly Ile Val Pro Phe Arg Ser Phe Trp Gln Gln Arg
 5 10

(2) INFORMATION FOR SEQ ID NO: 71:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 9

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (985-993)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 71:

Gly Ile Val Pro Phe Arg Ser Phe Trp
 5

(2) INFORMATION FOR SEQ ID NO: 72:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 6

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (985-990)

- (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
- (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
- (D) OTHER INFORMATION:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 72:

Gly Ile Val Pro Phe Arg
5

- (2) INFORMATION FOR SEQ ID NO: 73:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
- (ii) MOLECULE TYPE: PEPTIDE
- (ix) FEATURE:
 - (A) NAME/KEY: (H1) LOCUS HUMAN iNOS (1009-1026)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 73:

Arg Met Thr Leu Val Phe Gly Ser Arg Arg Pro Asp Glu
5 10
Asp His Ile Tyr Gln
15

- E
- (2) INFORMATION FOR SEQ ID NO: 74:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 17
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN eNOS (1041-1057)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 74:

Met Thr Leu Val Phe Gly Ser Arg Ser Ser Gln Leu Asp
5 10
His Leu Tyr Arg
15

- (2) INFORMATION FOR SEQ ID NO: 75:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 17
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN nNOS (1281-1297)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 75:

Met Val Leu Val Phe Gly Ser Arg Gln Ser Lys Ile Asp
5 10
His Ile Tyr Arg
15

(2) INFORMATION FOR SEQ ID NO: 76:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (1012-1026)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 76:

Leu Val Phe Gly Ser Arg Arg Pro Asp Glu Asp His Ile
5 10
Tyr Gln
15

(2) INFORMATION FOR SEQ ID NO: 77:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 12

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (1015-1026)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 77:

Gly Ser Arg Arg Pro Asp Glu Asp His Ile Tyr Gln
5 10

- (2) INFORMATION FOR SEQ ID NO: 78:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (1018-1026)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 78:

Arg Pro Asp Glu Asp His Ile Tyr Gln
5

- (2) INFORMATION FOR SEQ ID NO: 79:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 6
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (1021-1026)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 79:

Glu Asp His Ile Tyr Gln
5

- (2) INFORMATION FOR SEQ ID NO: 80:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 15
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (1009-1023)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 80:

Arg Met Thr Leu Val Phe Gly Ser Arg Arg Pro Asp Glu
5 10
Asp His
15

(2) INFORMATION FOR SEQ ID NO: 81:
(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 11
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (1009-1020)
 (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 81:
Arg Met Thr Leu Val Phe Gly Ser Arg Arg Pro
 5 10

E
9
(2) INFORMATION FOR SEQ ID NO: 82:
(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 9
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (1009-1017)
 (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 82:
Arg Met Thr Leu Val Phe Gly Ser Arg-amide
 5

(2) INFORMATION FOR SEQ ID NO: 83:
(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 6
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (1009-1014)
 (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 83:
Arg Met Thr Leu Val Phe-amide
 5

(2) INFORMATION FOR SEQ ID NO: 84:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 12

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: TRUNCATED HUMAN iNOS (40-54)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 84:

Thr Gln Asp Asp Leu Gln Tyr His Asn Leu Ser Lys
5 10

(2) INFORMATION FOR SEQ ID NO: 85:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 9

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: TRUNCATED HUMAN iNOS (784-798)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 85:

Val Gln Gly Ile Leu Glu Arg Val Val
5

(2) INFORMATION FOR SEQ ID NO: 86:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (37-54)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 86:

Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu
5 10

Ser Lys Gln Gln Asn
15

- (2) INFORMATION FOR SEQ ID NO: 87:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 5
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (41-45)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 87:

Gln Asp Asp Leu Gln
5

- (2) INFORMATION FOR SEQ ID NO: 88:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 6
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (40-45)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 88:

Thr Gln Asp Asp Leu Gln
5

- (2) INFORMATION FOR SEQ ID NO: 89:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 7
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (39-45)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 89:

Val Thr Gln Asp Asp Leu Gln
5

- (2) INFORMATION FOR SEQ ID NO: 90:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 8
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (38-45)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 90:

Pro Val Thr Gln Asp Asp Leu Gln
5

- (2) INFORMATION FOR SEQ ID NO: 91:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (37-45)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 91:

E
Ser Pro Val Thr Gln Asp Asp Leu Gln
5

- (2) INFORMATION FOR SEQ ID NO: 92:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 5
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (40-44)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 92:

Thr Gln Asp Asp Leu
5

- (2) INFORMATION FOR SEQ ID NO: 93:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 6
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (39-44)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 93:

Val Thr Gln Asp Asp Leu
5

- (2) INFORMATION FOR SEQ ID NO: 94:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 7
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (38-44)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 94:

Pro Val Thr Gln Asp Asp Leu
5

- (2) INFORMATION FOR SEQ ID NO: 95:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 8
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (37-44)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 95:

Ser Pro Val Thr Gln Asp Asp Leu
5

(2) INFORMATION FOR SEQ ID NO: 96:
(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 9
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (36-44)
 (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 96:
Ser Ser Pro Val Thr Gln Asp Asp Leu
 5

E
(2) INFORMATION FOR SEQ ID NO: 97:
(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 5
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (39-43)
 (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 97:
Val Thr Gln Asp Asp
 5

(2) INFORMATION FOR SEQ ID NO: 98:
(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 6
 (B) TYPE: AMINO ACID
 (D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: PEPTIDE
(ix) FEATURE:
 (A) NAME/KEY: HUMAN iNOS (38-43)
 (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 (D) OTHER INFORMATION:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 98:
Pro Val Thr Gln Asp Asp
 5

- (2) INFORMATION FOR SEQ ID NO: 99:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 7
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (37-43)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 99:

Ser Pro Val Thr Gln Asp Asp
5

- (2) INFORMATION FOR SEQ ID NO: 100:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 8
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (36-43)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 100:

E
Ser Ser Pro Val Thr Gln Asp Asp
5

- (2) INFORMATION FOR SEQ ID NO: 101:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (35-43)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 101:

Thr Ser Ser Pro Val Thr Gln Asp Asp
5

(2) INFORMATION FOR SEQ ID NO: 102:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (37-54)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 102:

Ser	Pro	Val	Thr	Gln	Asp	Asp	Leu	Gln	Tyr	His	Asn	Leu
				5					10			
Ser	Lys	Gln	Gln	Asn								
	15											

(2) INFORMATION FOR SEQ ID NO: 103:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (40-54)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 103:

Thr	Gln	Asp	Asp	Leu	Gln	Tyr	His	Asn	Leu	Ser	Lys	Gln
				5					10			
Gln	Asn											
	15											

(2) INFORMATION FOR SEQ ID NO: 104:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 12

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (43-54)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 104:

Asp Leu Gln Tyr His Asn Leu Ser Lys Gln Gln Asn
5 10

- (2) INFORMATION FOR SEQ ID NO: 105:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (46-54)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 105:

Tyr His Asn Leu Ser Lys Gln Gln Asn
5

- (2) INFORMATION FOR SEQ ID NO: 106:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 6
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (49-54)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 106:

Leu Ser Lys Gln Gln Asn
5

- (2) INFORMATION FOR SEQ ID NO: 107:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 15
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (37-51)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 107:

Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn Leu

Ser Lys
15

- (2) INFORMATION FOR SEQ ID NO: 108:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 12
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (37-48)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 108:

Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn
5 10

- (2) INFORMATION FOR SEQ ID NO: 109:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (37-45)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 109:

Ser Pro Val Thr Gln Asp Asp Leu Gln
5

- (2) INFORMATION FOR SEQ ID NO: 110:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 6
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (37-42)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 110:

Ser Pro Val Thr Gln Asp
5

- (2) INFORMATION FOR SEQ ID NO: 111:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (35-44)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 111:

Thr Ser Ser Pro Val Thr Gln Asp Asp Leu
5 10

- (2) INFORMATION FOR SEQ ID NO: 112:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (781-798)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 112:

Pro Ala Leu Val Gln Gly Ile Leu Glu Arg Val Val Asp
5 10
Gly Pro Thr Pro His
15

- (2) INFORMATION FOR SEQ ID NO: 113:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 5
 - (B) TYPE: AMINO ACID
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: PEPTIDE
 - (ix) FEATURE:
 - (A) NAME/KEY: HUMAN iNOS (788-792)
 - (B) LOCATION: CARBOXY TERMINAL WITH AMIDE
 - (C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS
 - (D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 113:

Leu Glu Arg Val Val
5

(2) INFORMATION FOR SEQ ID NO: 114:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 6

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (787-792)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 114:

Ile Leu Glu Arg Val Val
5

(2) INFORMATION FOR SEQ ID NO: 115:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 7

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (786-792)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 115:

Gly Ile Leu Glu Arg Val Val
5

(2) INFORMATION FOR SEQ ID NO: 116:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 8

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (785-792)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 116:

Gln Gly Ile Leu Glu Arg Val Val
5

(2) INFORMATION FOR SEQ ID NO: 117:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 9

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (784-792)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 117:

Val Gln Gly Ile Leu Glu Arg Val Val
5

(2) INFORMATION FOR SEQ ID NO: 118:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 5

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (787-791)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 118:

Ile Leu Glu Arg Val
5

(2) INFORMATION FOR SEQ ID NO: 119:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 6

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (786-791)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 119:

Gly Ile Leu Glu Arg Val
5

(2) INFORMATION FOR SEQ ID NO: 120:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 7

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (785-791)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 120:

Gln Gly Ile Leu Glu Arg Val
5

(2) INFORMATION FOR SEQ ID NO: 121:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 8

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (784-791)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 121:

Val Gln Gly Ile Leu Glu Arg Val
5

(2) INFORMATION FOR SEQ ID NO: 122:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 9

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (783-791)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 122:

Leu Val Gln Gly Ile Leu Glu Arg Val
5

(2) INFORMATION FOR SEQ ID NO: 123:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 5

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (786-790)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 123:

Gly Ile Leu Glu Arg
5

(2) INFORMATION FOR SEQ ID NO: 124:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 6

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (785-790)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 124:

Gln Gly Ile Leu Glu Arg
5

(2) INFORMATION FOR SEQ ID NO: 125:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 7

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (784-790)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 125:

Val Gln Gly Ile Leu Glu Arg
5

(2) INFORMATION FOR SEQ ID NO: 126:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 8

(B) TYPE: AMINO ACID

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE

(ix) FEATURE:

(A) NAME/KEY: HUMAN iNOS (783-790)

(B) LOCATION: CARBOXY TERMINAL WITH AMIDE

(C) IDENTIFICATION METHOD: AMINO ACID ANALYSIS

(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 126:

Leu Val Gln Gly Ile Leu Glu Arg
5